



RF

14mm F1.4 L VCM

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Thank you for purchasing a Canon product.

Canon RF14mm F1.4 L VCM is an ultra wide-angle lens for use with the EOS R series cameras.

- “VCM” stands for Voice Coil Motor.

Conventions used in these instructions



Warning to prevent lens or camera malfunction or damage.



Supplementary notes on using the lens and taking pictures.

Camera Firmware and Camera Applications

Please use the latest versions of firmware and applications with the camera in use. For details on whether the firmware and applications in use are the latest version or not, and for details on updating them, please check the Canon website.



If the camera's* firmware is not a compatible version, the following limitations will apply.

- Magnified view functionality is not available.
- There may be a discrepancy between the positions of AF points and actually metered positions.

*Applies to the following camera models:
EOS R and EOS RP

Safety Precautions

Precautions to ensure that the camera is used safely. Read these precautions thoroughly. Make sure all details are observed in order to prevent risks and injury to the user and other people.



Warning

Details pertaining to risks that may result in death or serious injury.

- **Do not look directly at the sun or other strong light sources through a lens.** This may result in loss of sight.
- **Do not leave a lens in the sun without the lens cap attached.** The lens may concentrate entering sunlight and cause a malfunction or fire.



Caution

Details pertaining to risks that may result in injury or damage to other objects.

- **Do not leave the product in places exposed to extremely high or low temperatures.** The product may cause burns or injury when touched.
- **This product emits low level magnetic flux.** If you use an implantable cardiac pacemaker or other medical device and feel abnormalities, please keep away from this product and consult your doctor.

General Precautions

Handling Precautions

- Do not leave the product in excessive heat such as in a car in direct sunlight. High temperatures can cause the product to malfunction.
- If the lens is taken from a cold environment into a warm one, condensation may develop on the lens surface and internal parts. To prevent condensation in this case, first put the lens into an airtight plastic bag before taking it from a cold to warm environment. Then take out the lens after it has warmed gradually. Do the same when taking the lens from a warm environment into a cold one.
- When the lens is not attached to the camera or the power switch of the camera is in the off status when the lens is attached, shaking the lens may cause the internal lens group to shift and noise may occur, but this is not a malfunction. Although the internal lens group shifts due to vibration such as when the lens is carried, this will not affect aspects such as performance.
- In order to optimize aperture control, there are occasions in which the aperture blades will move during focusing, even when the aperture value is set for aperture-priority AE or manual exposure, etc.
- Please also read any lens related handling precautions listed in your camera's instruction manual.

Shooting Precautions

- Focus again after recovering from the auto power off status.
- To maintain the focus position in the shooting-ready status, set [Auto power off] to [Disable] on the camera.
- After detaching the lens, or after trying to detach the battery from the camera, focus the camera again. Due to the structure of the focus lens drive mechanism, the focus lens may significantly shift from its original position.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment.

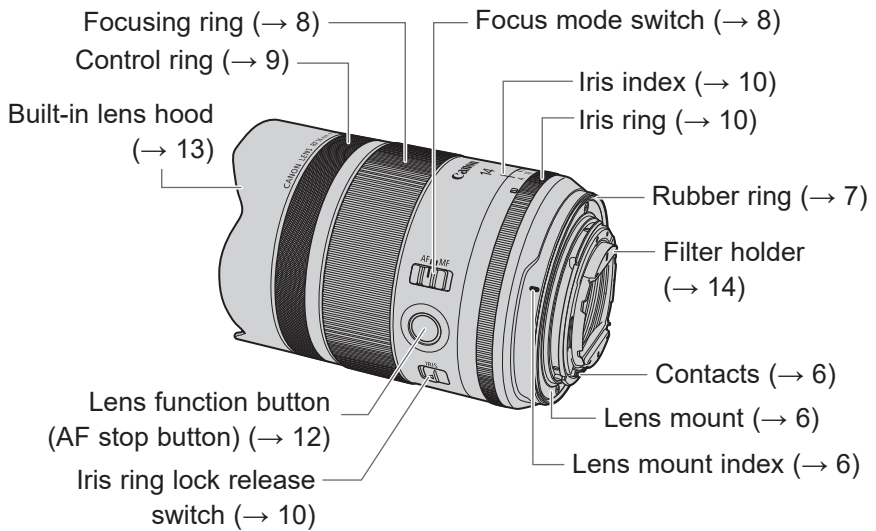
This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

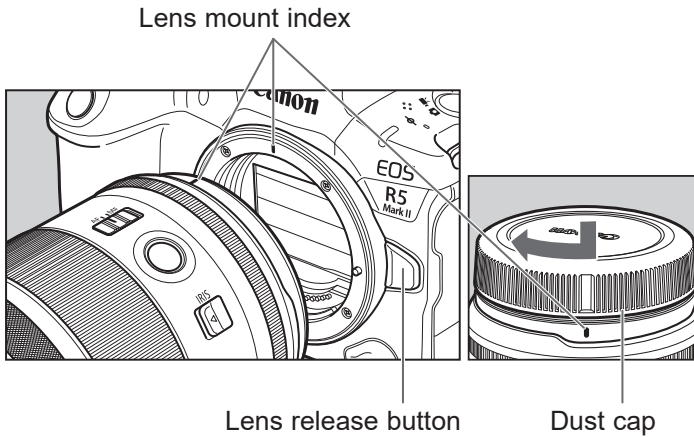
CAN ICES-3 (B) / NMB-3 (B)

Nomenclature



- For detailed information, reference page numbers are provided in parentheses (→ **).

1. Attaching and Detaching the Lens



Attaching the Lens

Align the lens mount indexes of the lens and camera, and turn the lens clockwise until you hear a click.

Detaching the Lens

Turn the lens counterclockwise while pressing the camera's lens release button. Detach the lens once it has stopped turning.

Please refer to the camera's instructions for details.

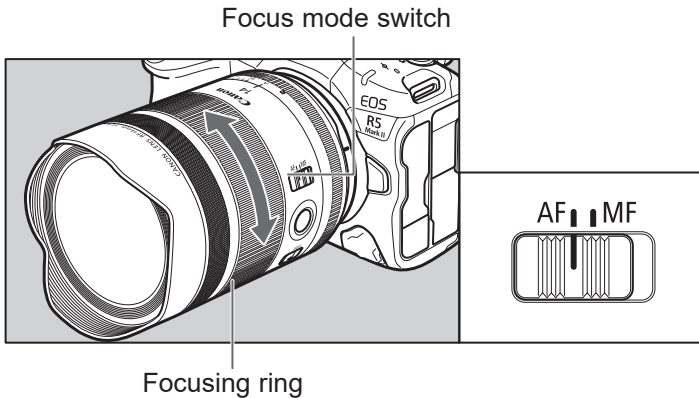


- Set the camera's power switch to OFF when attaching or detaching the lens.
- Attach the lens cap before detaching the lens from the camera.
- After detaching the lens, place the lens with the rear end up and attach the dust cap to prevent the lens surface and contacts from getting scratched. Make sure the lens and dust cap mount indexes are aligned when attaching the dust cap.
- Contacts that are scratched, soiled, or have fingerprints on them may result in faulty connections or corrosion, which may lead to malfunctions. If the contacts get soiled, clean them with a soft cloth.
- The lens mount has a rubber ring to improve dust-resistance and water-resistance performance. This rubber ring may cause friction marks to appear around the camera's lens mount, although this will have no effect on usage.



- Rubber rings can be replaced at Canon Service Center. (chargeable)

2. Setting the Focus Mode



To shoot in autofocus (AF) mode, set the focus mode switch to AF. To use only manual focusing (MF), set the focus mode switch to MF, and focus by turning the focusing ring.

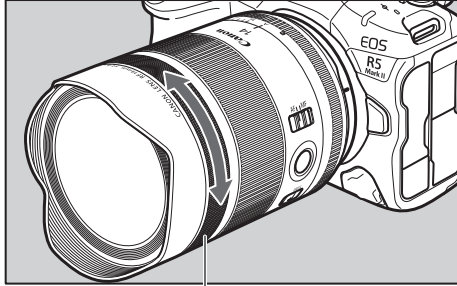
● Quickly turning the focusing ring may result in delayed focus.

- The lens' focusing ring is electronic.
- The lens supports both lens electronic MF and electronic full-time MF.
- When movie recording, the AF speed will be slower than the still photo shooting mode. It is possible to adjust the AF speed on the camera by setting Movie Servo AF to [Enable].

Please refer to the camera's instructions for details.

3. Control Ring

The control ring can be assigned the functions that are commonly used with cameras, such as shutter speed and aperture settings.



Control ring

The click action of the control ring allows you to have a sense of how much it is being turned.

Please refer to the camera's instructions for details on how to use the control ring.

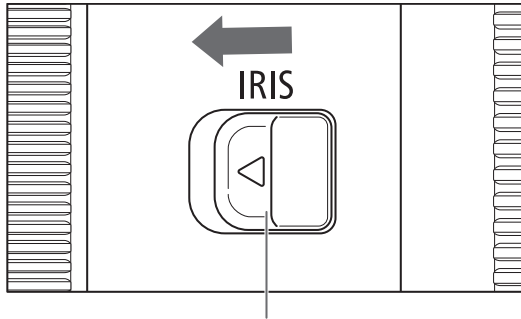
- There are cases in which the sound of control ring operations may be recorded when shooting movies.

- The clicking sensation of the control ring can be removed by the Canon Service Center. (chargeable)
- The focus ring can be used as the control ring by changing the camera settings*. However, when the focus ring is used as the control ring, the original control ring operation will be disabled. Please refer to the camera's instructions for details.

* Excluding EOS R, RP, Ra, R5, and R6.

4. Manual/ Auto Aperture Operation

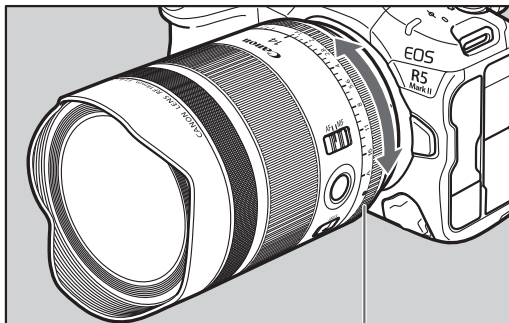
The aperture value can be set using the iris ring. At the time of shipment, it is set to auto aperture operation.



Iris ring lock release switch

Manual aperture operation

- 1 While sliding the iris ring lock release switch in the direction of the arrow, turn the iris ring to match the iris index between 1.4 and 16.
- 2 Turn the iris ring to set the aperture.



Iris ring

Auto aperture operation

- 1 While sliding the iris ring lock release switch in the direction of the arrow, turn the iris ring to match the iris index with A.
- 2 Aperture is determined by the command signal from the camera.

Manual/ Auto Aperture Operation

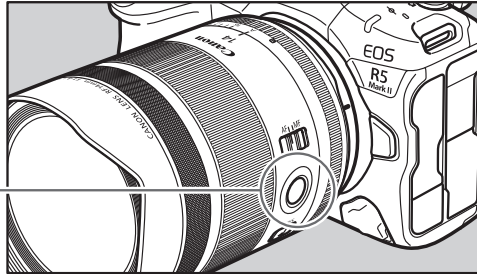
- When performing manual aperture operation using the iris ring, the actual aperture value may differ from the aperture value displayed on the camera.
 - Some cameras ^{*1} ^{*2}, have the following limitations.
 - The iris ring cannot be used to set the aperture value when shooting still images.
 - During movie shooting, when using the iris ring operation, focusing on a subject by autofocus may be difficult.
- *1 EOS R, RP, Ra, R3, R5, R6, R6 Mark II, R7, R8, R10, R50, R100
- *2 EOS R5C is limited only when shooting still images.

5. Lens Function Button (AF Stop Button)

In the default settings, the lens function button serves as an AF stop button. You can assign different functions to the button from the [Customize buttons] section of the camera.

Please refer to the camera's instructions for details.

Lens function button
(AF stop button)



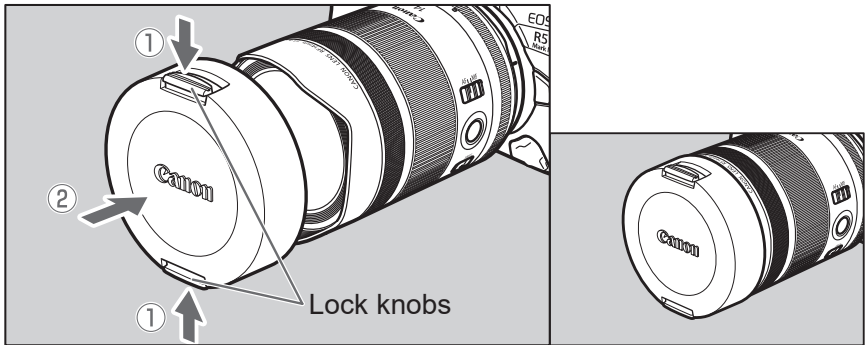
Use as an AF stop button

During autofocus operation, you can press an AF stop button to temporarily pause autofocus, and then release the button to resume. Press an AF stop button to maintain a focusing distance or to avoid focus search.

Press the shutter button while holding down an AF stop button to shoot at that focusing distance.

- Useful when autofocus is operating mostly in Servo AF.

6. Lens Cap



The lens cap can be attached by pinching the lock knobs and vertically aligning the lens cap with the built-in lens hood as shown in the diagram.

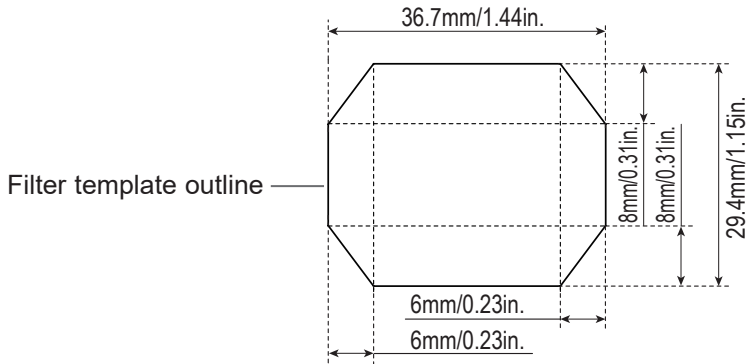


- The recessed sections of the lens hood that the cap locks on to are located at the front inside edge of the top and bottom petals.

7. Filters (Sold separately)

This lens has a holder at the rear for inserting a single filter. Download the filter template files, print them out, then lay the filter over the template and cut to match. Then insert the filter in the holder.

- 1 Cut the filter to match the shape of the filter template appropriately.
- Download the filter template file (PDF).
 - Print the filter template out at full size (100%), and use it as the template to cut out the filter.
 - The templates on this page are printed at full size, so can also be used. The filter template file is the same as this figure.



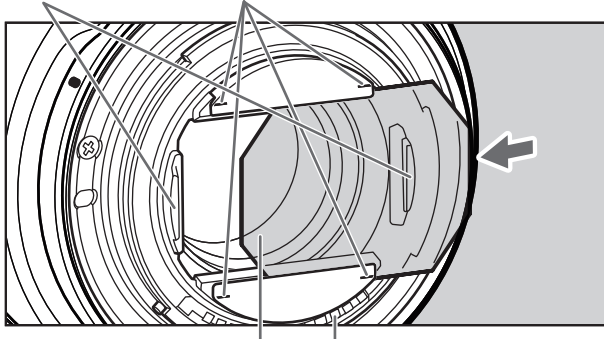
Filters (Sold separately)

- Only one filter with a thickness of 0.2 mm/0.008 in. or less may be used.
- When printing the template, make sure that the illustration size remains the same. Check that the printed-out size is the same as the measurements shown in the illustration.
- Cut along the middle of the lines printed on the filter template. Any deviation from the template line width can cause the following issues.
 - Note 1: If you cut inside the lines, light will come in around the edges of the filter, preventing it from working fully. In particular, there can be differences with exposure and color patches in the corners.
 - Note 2: If you cut outside the lines, it may not fit in the holder, or the filter corners could contact the camera, damaging the camera or filter.

Filters (Sold separately)

- 2 Insert the filter from the left or right of the holder, and get it all within the projections on both sides.

Projections Filter indicators

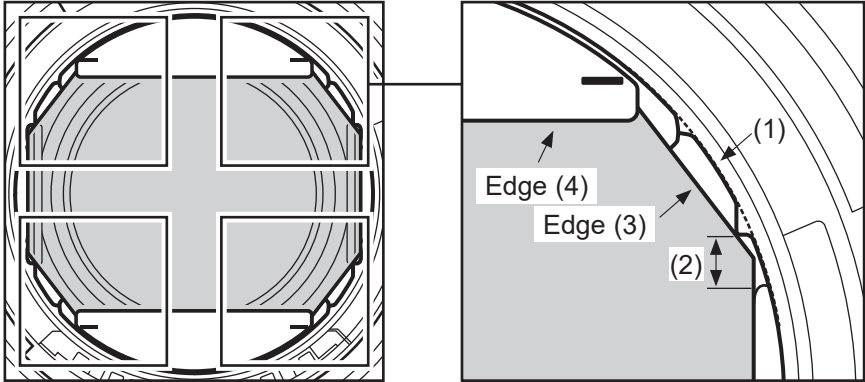


Filter Contacts

- Insert the filter so that it passes above the projections on the left and right.
 - Fit filter between the projections on the left and right.
- !**
- Image ghosting may occur as a result of using the filter.
 - Ensure that there is no dust or any scratches on the filter.
 - When inserting the filter, ensure that you do not touch the rearmost lens element.

Filters (Sold separately)

3 Check the filter (four corners) after insertion.



- Check that the filter does not stick out beyond the outer diameter of (1).
- Check that the corners of the filter are within the range of (2).
- Check that edge (3) of the filter and edge (4) of the holder do not overlap.

- Take some test shots before shooting to check that the filter is working over the entire image.
 - The filter may come out of place due to shocks or vibrations.
 - Check that the filter is correctly installed before shooting.
 - When the filter effect is not needed, remove the filter.

Specifications

Focal Length/ Aperture	14mm f/1.4
Lens Construction	13 groups, 18 elements
Maximum Aperture	f/1.4
Minimum Aperture	f/16
Angle of View	Horizontal: 104°, Vertical: 81°, Diagonal: 114°
Min. Focusing Distance	0.24m/0.79 ft.
Max. Magnification	0.11x
Field of View	Approx. 325 x 217 mm/12.80 x 8.54 in.
Filter	Rear filter holder insertion
Max. Diameter and Length	Approx. 76.5 x 112 mm/3.01 x 4.41 in.
Weight	Approx. 578 g/20.39 oz.
Hood	Integrated with the lens barrel
Lens Cap	Lens Cap 14B*
Lens Dust Cap	Lens Dust Cap RF*
Case	LP1219*

* Included with the lens, but can be purchased separately.

Specifications

- The lens length is measured from the lens mount surface to the front end of the lens.
Add 23.2 mm/0.91 in. when including the lens cap and dust cap.
- The maximum diameter, length and weight listed are for the lens itself only.
- Close-up Lens 250D/500D cannot be attached because there is no size that fits the lens.
- You cannot use extenders.
- Multiple exposure shooting using this lens is not possible on certain cameras*.
*EOS R, RP, Ra, R5, R5C, R6
- All data listed is measured according to Canon standards.
- Product specifications and appearance are subject to change without notice.

Canon